

## Collaboration Goals for the Year 2003

As an experiment we have made tremendous strides recently in operations, on-site and off-site processing, physics, and the upgrade. The L1 tracking trigger and FPS are in place and offering more capabilities with each passing day. We are recording data with efficiencies regularly above 90%, and have a program in place to improve data quality. The farms are running above design capacity, and at this time nearly  $90\text{pb}^{-1}$  of data have been processed with the two most recent versions of the reconstruction program. The next version will offer significantly improved tracking efficiency. The Run IIb upgrade is on schedule and moving into production.

In order for the collaboration to move forward together and to take full advantage of the recent experimental improvements we have established a set of goals for the remainder of 2003. A broad description of these goals might be:

- Improved data-taking efficiency and data-quality monitoring.
- Integration of the central tracking and silicon triggers into our trigger list.
- We believe that about  $100\text{pb}^{-1}$  data will be available for the summer round of conferences and have established a set of certification and analysis goals designed to take full advantage of this dataset. (Selected results may be available for EPS and a more complete set for LP2003.)
- Beyond the summer, we envision an upgraded analysis (p14) of the full set of data. Approximately  $140\text{pb}^{-1}$  of data will be available for first publications towards the end of 2003. This will require extensive on-site and off-site data processing and reprocessing.
- Continued progress on acquisition of parts and preparation for Run IIb.

The full set of goals can be found in the table below. These are intended to assist us all with our plans for the rest of the year and we ask you to consider them carefully.

Sincerely

John, Jerry, Jon, Dmitri, Amber, Harry, Jianming, Boaz.

Date	Action	
April 28	P14 in Farm Production	
May 5		
May 12	Start use of offline certification tools in data monitoring	
May 19	L1Tracking Terms available for physics triggers	
May 26	Certified Muon, EM, Jet/Met, $\tau$ , Luminosity, and FPD IDs	
June 2	RECO performance to satisfy p14 reprocessing goal	
June 9	Certified JES, and B Ids	
June 16	End of LP2003 Data-taking	Beaune Workshop
June 23	L1 Tracking Electron and L2 Tracking Triggers Available	
June 30	Average Data Logging Efficiency above 90%	
	End LP2003 processing, $\sim 100\text{pb}^{-1}$ P13 and P14 Data Available	
	Physics Approval for EPS (July 1)	
July 7	Run IIb: L1 Track Trigger firmware coded & simulated with FPGA simulation tools	
	Run IIb: Production Readiness Review for Layer 0 & 1 silicon support structures	
	EB Approval for EPS (July 10)	
July 14	Physics Approval for LP2003	
	Run IIb: L1 Calorimeter Trigger prototype integration begins at DAB	
July 21	EPS Starts (July 17)	
	Run IIb: Fabrication of electrical-grade pre-production silicon stave	
July 28	EB Approval for LP2003 (Aug. 1)	Summer Shutdown Starts
August 4	Luminosity Calculation Error $\sim 5\%$	
August 11	LP2003 Starts	
August 18		
August 25		
September 1	Run IIb: L2 Silicon Track Trigger Run IIb inputs finalized	
September 8		
September 15		Summer Shutdown Ends
September 22	Data Reprocessed with P14 using Onsite and Offsite Farms	
	Trigger List with L1 and L2 Tracking and STT Trigger Terms	
September 29		
October 6	First Draft Papers with P14 Data Set	
	Reconstruction Program Upgrade Available	
October 13	Run IIb: fabrication and assembly of production MTCM, MTFB & preproduction MTCxx for Level 1 Calorimeter/Track Match	
	New Farm Nodes Available at Fermilab	
October 20	Run IIb stand-alone sequencer (SASEQ) test stands commissioned, ready for use at SiDet	
October 27	Trigger List for 8E31 with FPS, L2PS Terms	
November 3		
November 10	Papers to EB	
November 17		
November 24	Publication Data reprocessed with P14	Thanksgiving
December 1	Run IIb: 25% of layer 2-5 silicon sensors delivered and tested	
	Papers to Collaboration	
December 8	Run IIb: Linux-based cluster connected to Storage Area Network for "secondary" DAQ system	
December 15		
December 22		Christmas
December 29	Papers Submitted	